Name Class

Teacher Date

6.EE.1

=====================================================================

Evaluate the following expressions

92 − (6 + 33)

A 3

B 67

C 7

D 48

(6 + 2)2 · 42

A 128

B 80

C 1024

D 30

6.EE.2a

=====================================================================

Choose the correct expression for each phrase.

The product of x and 8

A x/8

B x-8

C 8+x

D 8x

Five times seven decreased by d

A (5\*7)-d

B 7\*d – 5

C 5\*d -7

D 5 \* (d-7)

6.EE.2b

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Identify the following parts of the expression below.

(9x + 5p)2 · 73

What is the 9 called?

A exponent

B operation

C variable

D coefficient

What is the p called?

A exponent

B operation

C variable

D coefficient

6.EE.2c

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Use the formulas below to find the volume and surface area of the rectangular prism with the following dimensions.

*Length = 3 inches. Width = 2 inches. Height = 8 inches.*

*Volume = l \* w \* h*

*Surface Area = 2(l\*w) + 2(l\*h) + 2(w\*h)*

What is the volume of the rectangular prism?

A 16 in3

B 6 in3

C 24 in3

D 48 in3

What is the surface area of the rectangular prism?

A 78 in2

B 92 in2

C 46 in2

D 80 in2

6.EE.3

=====================================================================

Use the distributive property to create an equivalent expression for each of the following.

5(x-2)

A 10-x

B 7-x

C 10-5x

D 5x-10

24 + 6x

A 4(6+2x)

B 6(4+x)

C 24(6+x)

D 30x

6.EE.4

=====================================================================

Determine which of the following expressions area equivalent.

3k + 9x + 8 and 3 (k + 3x) + 8

A Yes

B No

11 (f + 36) and 11f+36

A Yes

B No